

Fig.1

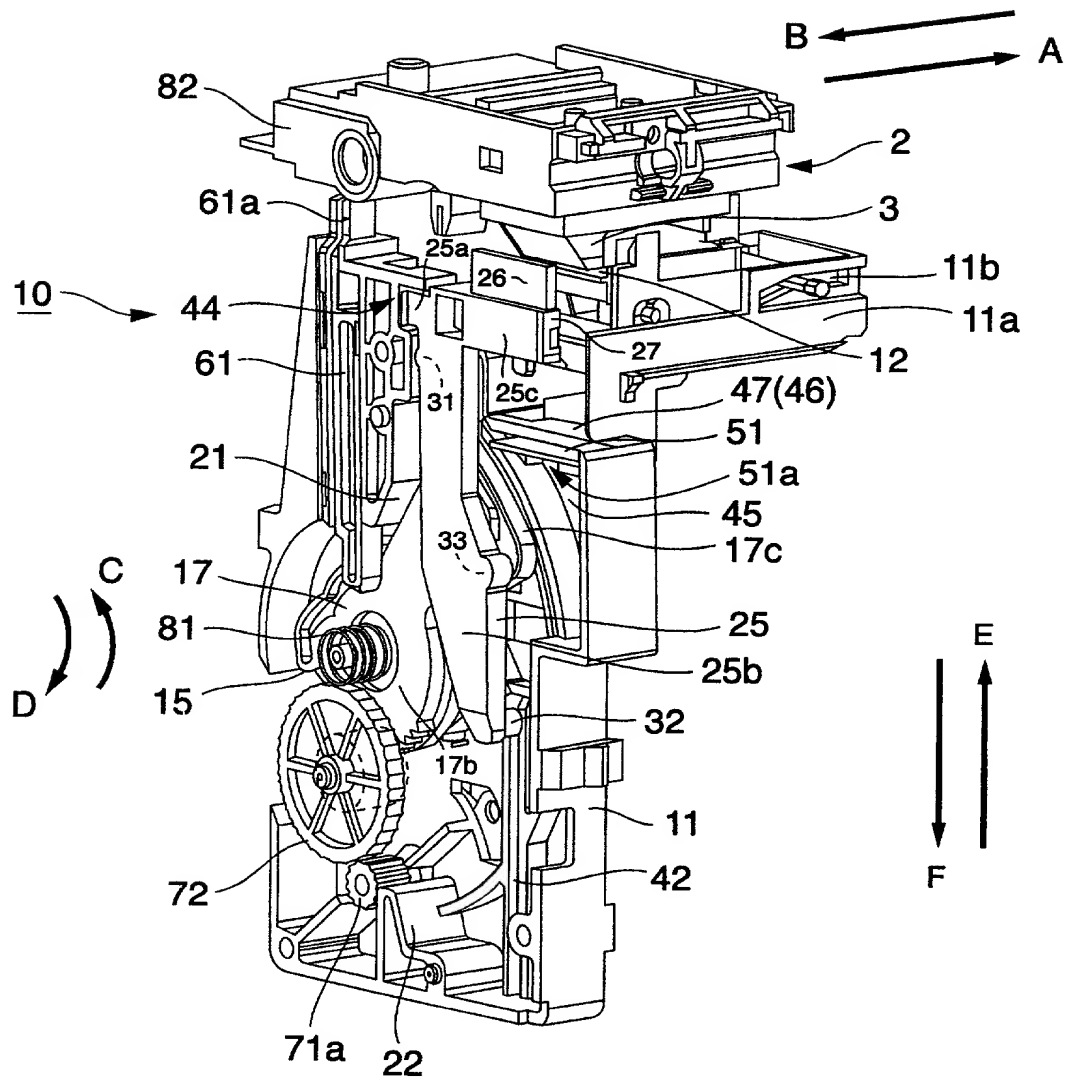
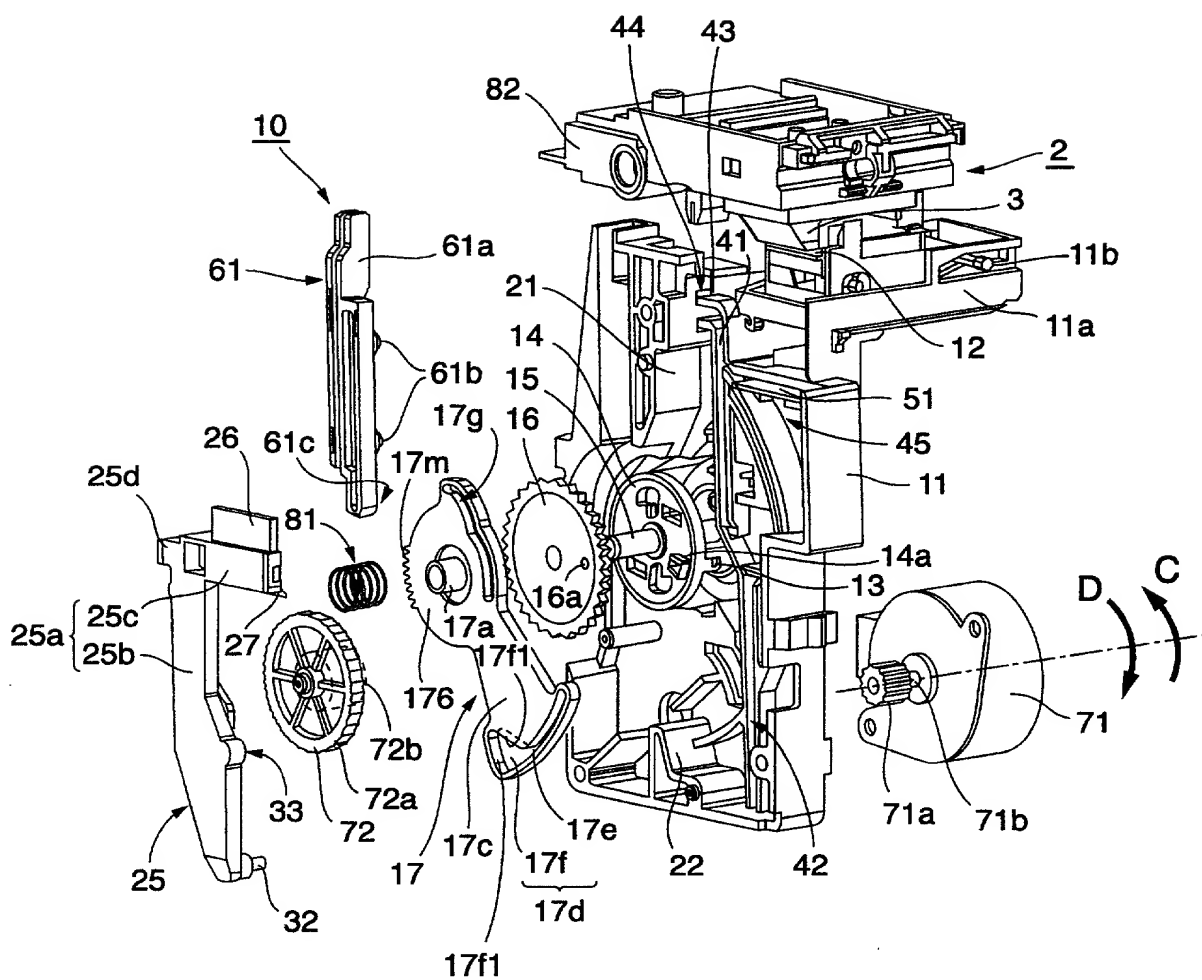


Fig.2



Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

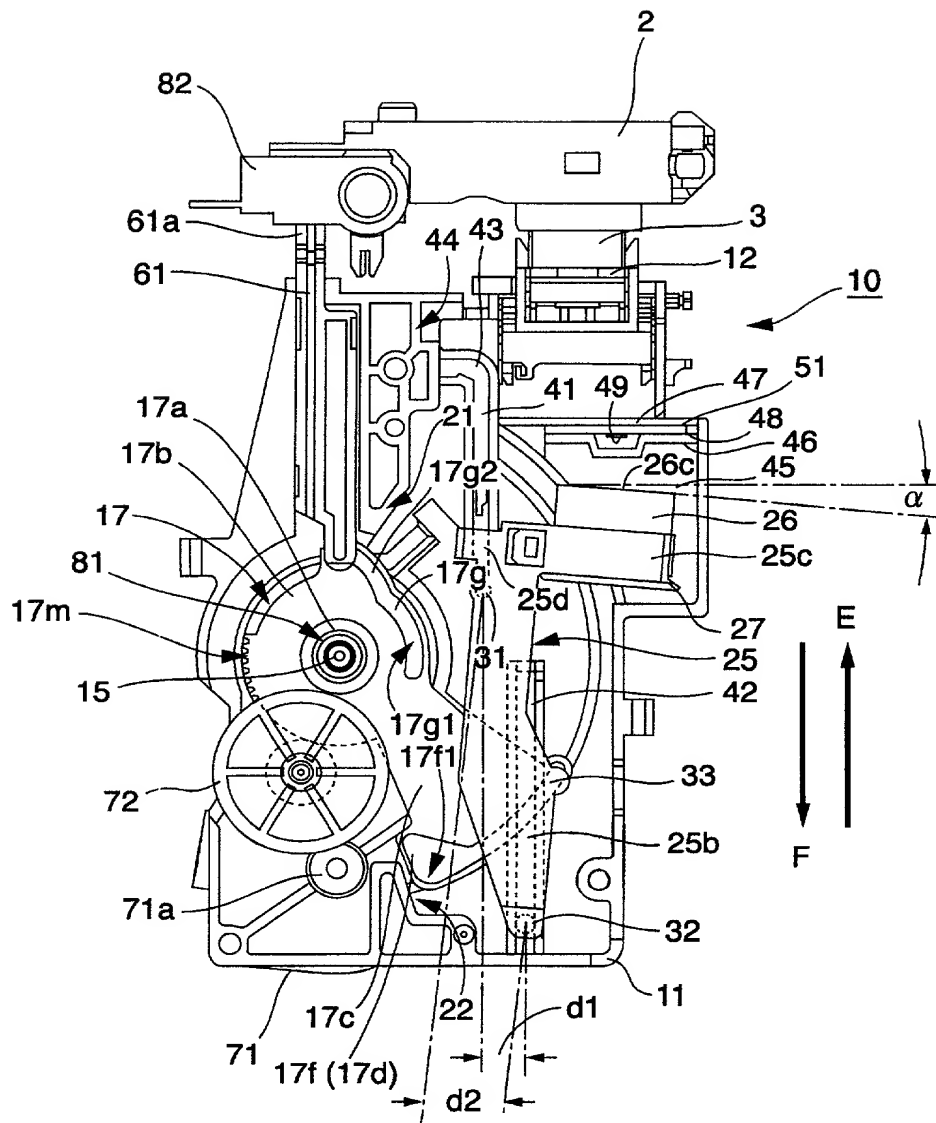
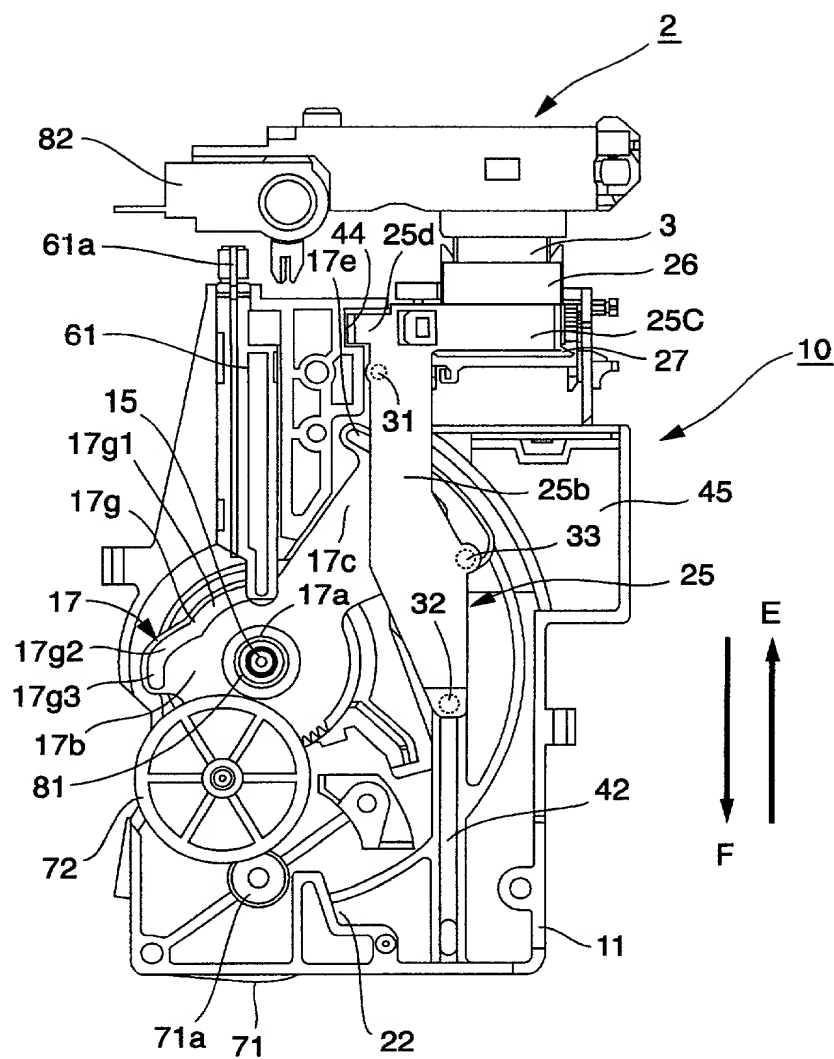


Fig.4



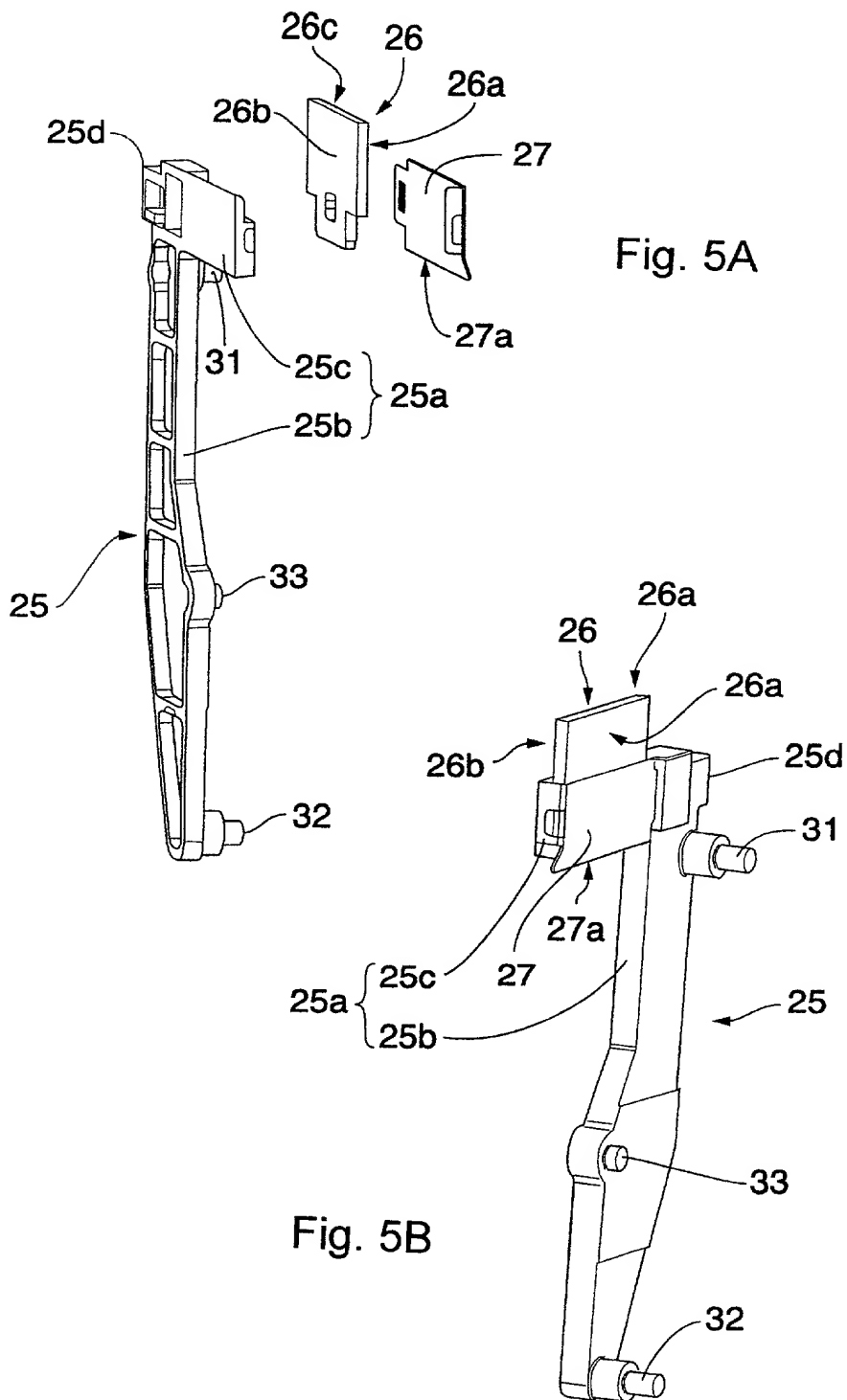


Fig. 5A

Fig. 5B

Fig. 6A

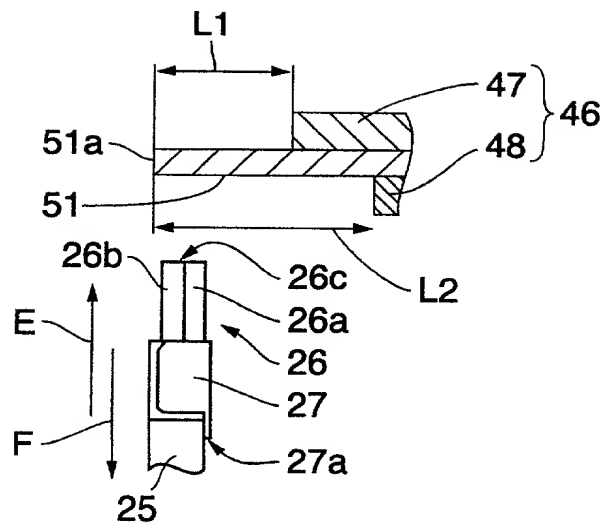


Fig. 6B

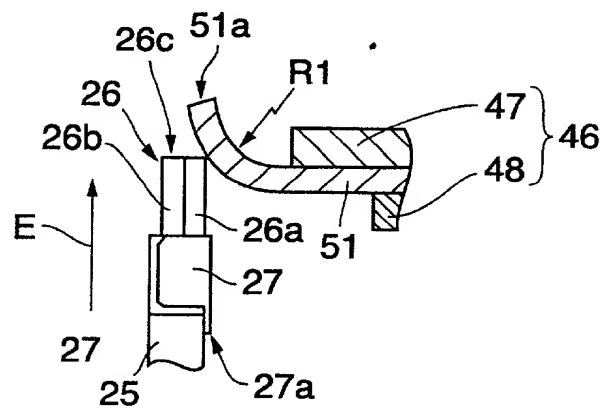


Fig. 6C

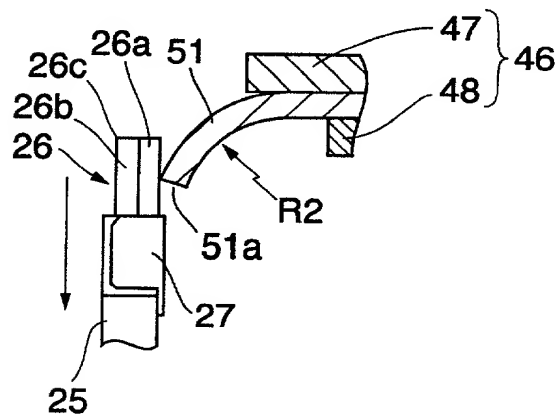
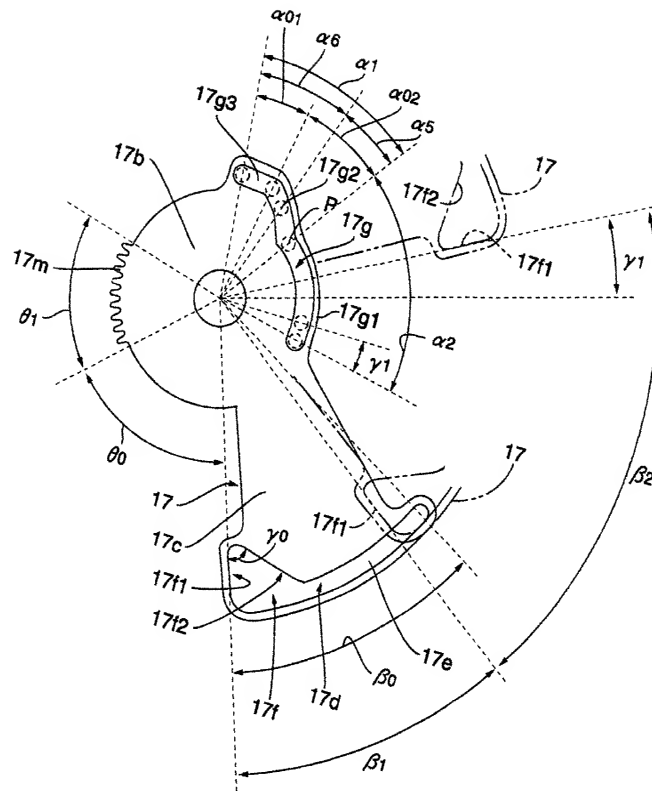


Fig.7



$$\begin{pmatrix} \beta_1 > \alpha_1 \\ \alpha_2 < \beta_2 \end{pmatrix}$$

Fig.8

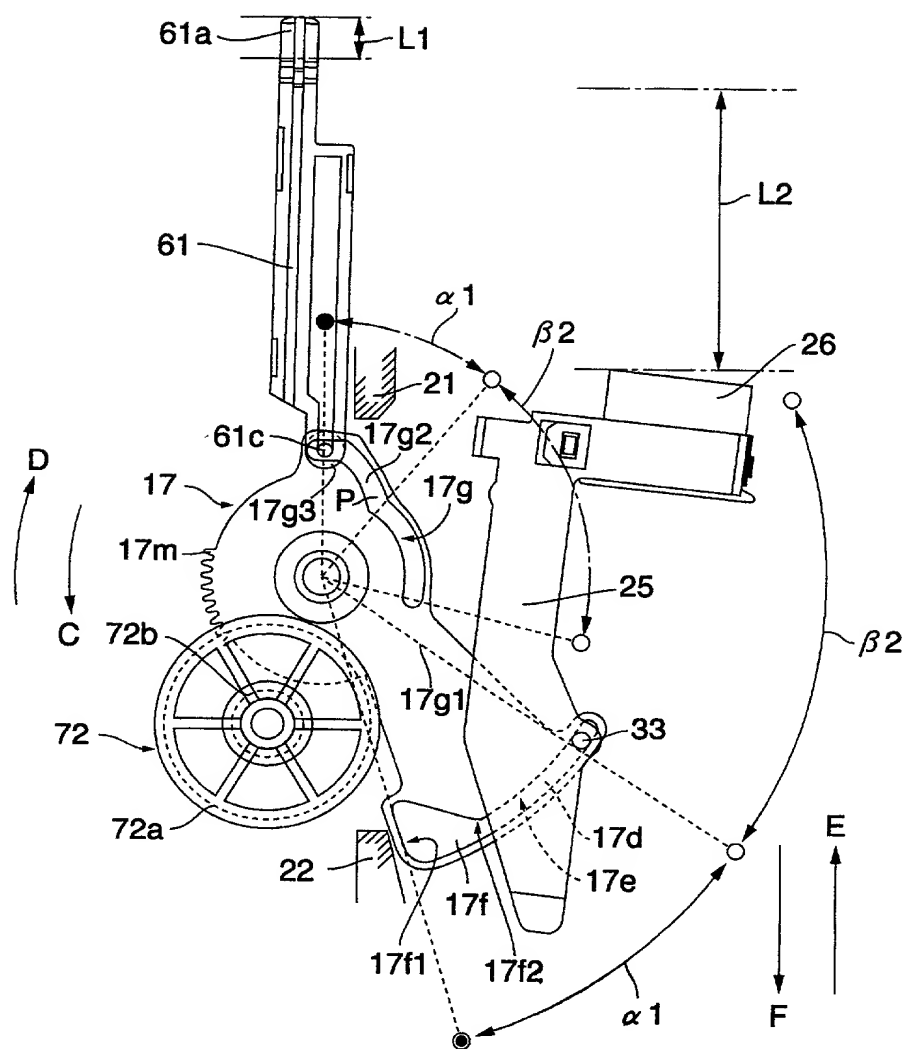
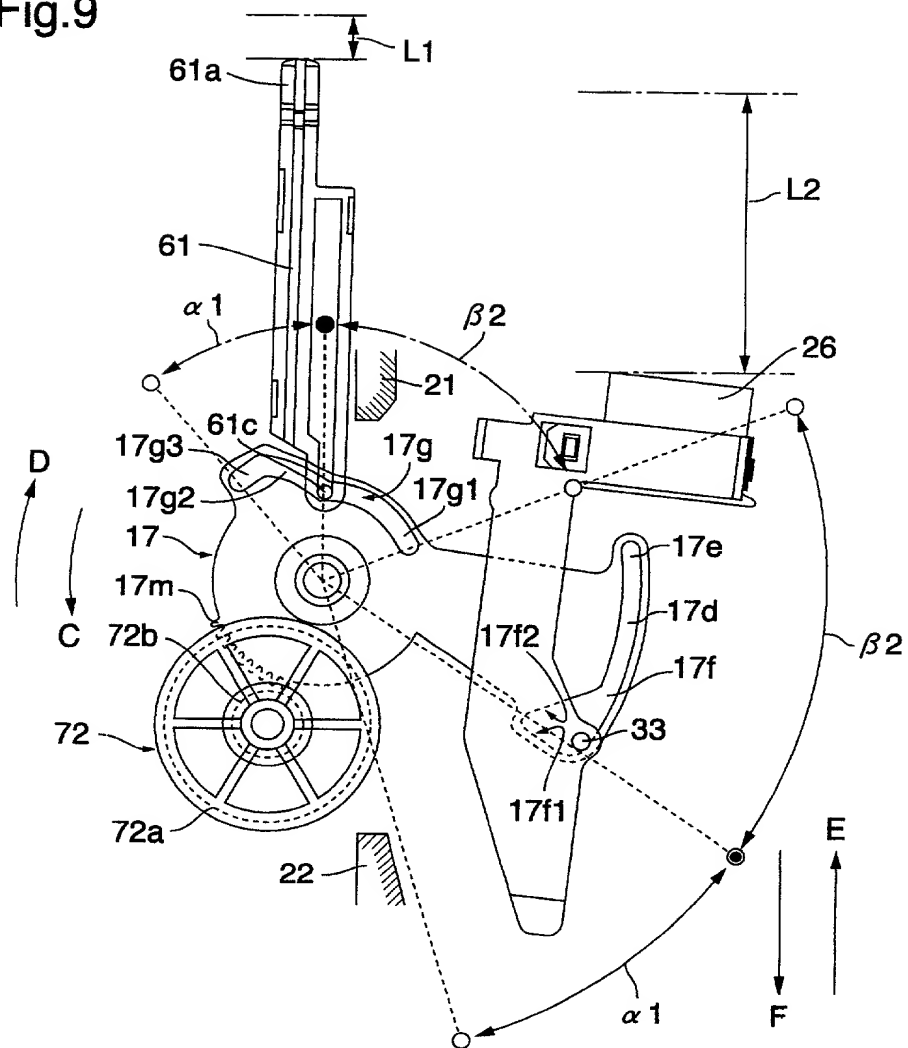


Fig.9



This diagram provides a detailed perspective view of the mechanical assembly from Fig. 5. It shows the internal linkage system where the lever arm 17 is pivoted at point 17f1 to the frame 33. The lever arm 17 includes segments 17e, 17d, and 17f, which are connected by joints 17g1, 17g2, and 17g3 respectively. These joints are part of a larger linkage mechanism involving a wheel-like component 72 with spokes 72a and 72b. Other labeled parts include 61, 61a, 61c, 21, 25, 26, 28, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. The diagram also indicates various dimensions and angles such as L1, L2, α1, β1, β2, γ1, γ2, γ3, γ4, γ5, γ6, γ7, γ8, γ9, γ10, γ11, γ12, γ13, γ14, γ15, γ16, γ17, γ18, γ19, γ20, γ21, γ22, γ23, γ24, γ25, γ26, γ27, γ28, γ29, γ30, γ31, γ32, γ33, γ34, γ35, γ36, γ37, γ38, γ39, γ40, γ41, γ42, γ43, γ44, γ45, γ46, γ47, γ48, γ49, γ50, γ51, γ52, γ53, γ54, γ55, γ56, γ57, γ58, γ59, γ60, γ61, γ62, γ63, γ64, γ65, γ66, γ67, γ68, γ69, γ70, γ71, γ72, γ73, γ74, γ75, γ76, γ77, γ78, γ79, γ80, γ81, γ82, γ83, γ84, γ85, γ86, γ87, γ88, γ89, γ90, γ91, γ92, γ93, γ94, γ95, γ96, γ97, γ98, γ99, γ100.

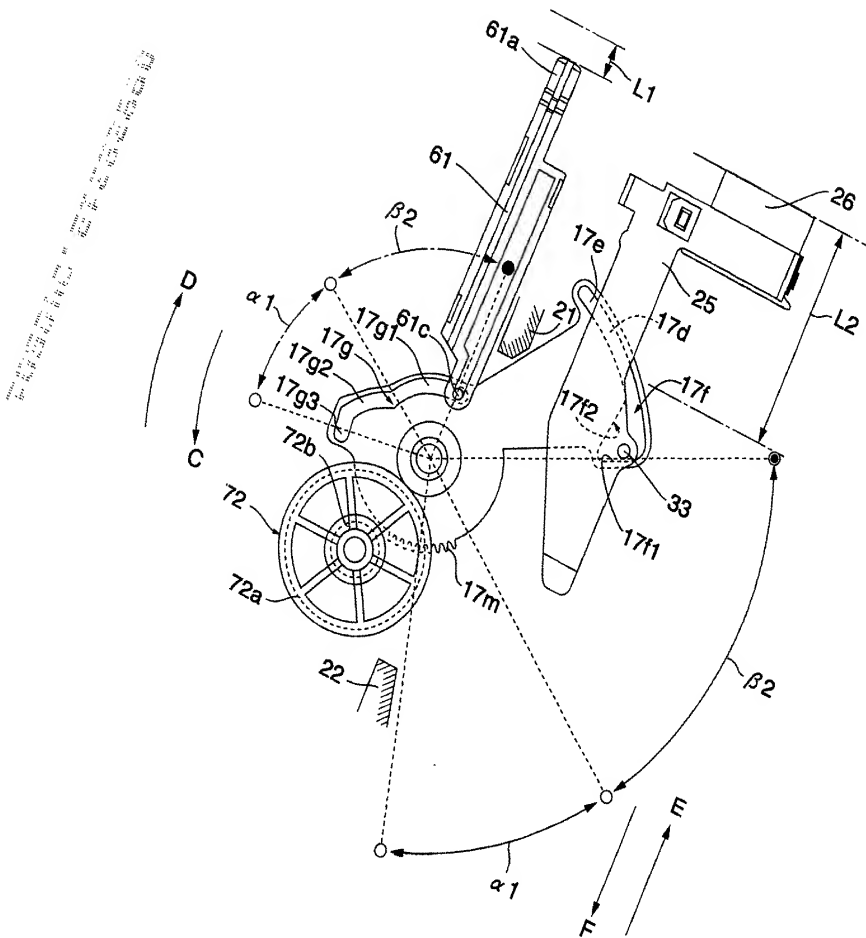
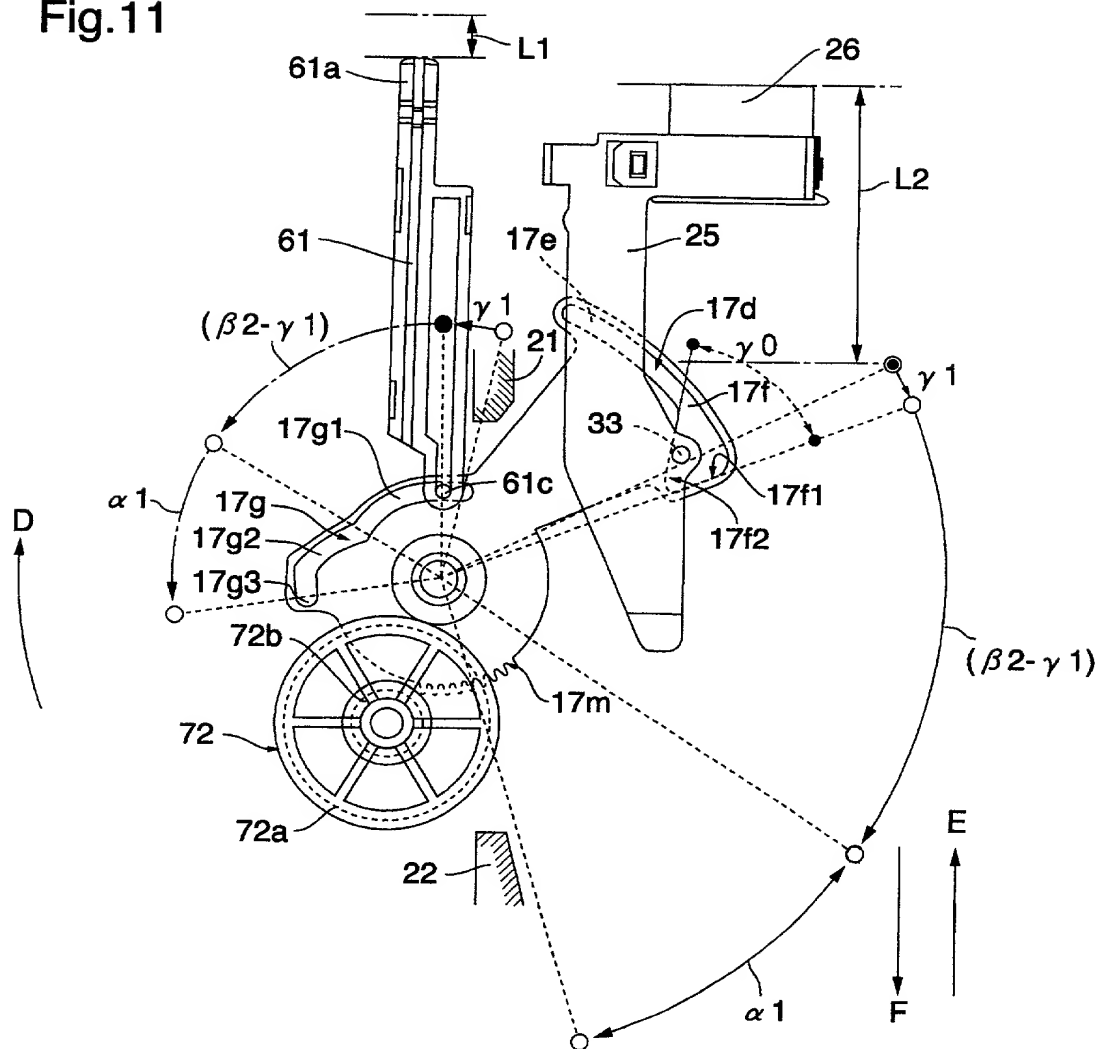


Fig.11



[illegible]